INDEX.

A

Adrenal gland, regeneration of, following enucleation, 232
Agglutinins, blood serum, study of oral typhoid vaccination as measured by, 826
Alcohol addicts, anemia of; rôle of liver disease, achlorhydria, etc., on its production, 414
studies in, I and II, 475, 487
Allan, W. B., Mayer, S., Jr., and Williams, R., pneumococcus meningitis with recovery; 3 cases, 99
Amebic abscess and hepatitis of liver, late results in treatment of, 305
Amyloidosis, renal, kidney function and uremia in, 529
Andosca, J. B., contralateral spontaneous pneumothorax complicating artificial pneumothorax; 2 cases, 559
Anemia, acute hemolytic, 179
of alcohol addicts; rôle of liver disease, achlorhydria, etc., on its production, 414
pernicious, concentration of individual phosphatides and of cerebrosides in plasma and red blood cells in, before and during liver treatment, 648
(macrocytic), combined system disease without evidence of, 57
standards for maximum reticulocyte percentage after intramuscular liver therapy in, 718
Anemias, hemolytic, clinical and experimental, hemolysins as cause of; nature of spherocytosis and increased fragility, 769
Aneurysm, traumatic, and arteriovenous fistula, differential diagnosis of, 75
Aneurysms, intracranial, of internal carotid and circle of Willis, 299
Anginoid pain, relief of, following removal of intrathoracic non-toxic nodular goiter, 395
Anorexia nervosa and pituitary cachexia, 663
Anthracosilicosis, tuberculous, tuberculosis of intestines in, 83
Antidotal action of picrotoxin in acute intoxication by barbiturates, 46
Aortic stenosis, isolated calcified; particular reference to etiology and differential diagnosis, 400
Arbuse, D., and Madonick, M., uveoparotid fever (Heerfordt's syndrome) neurologic manifestations; 2 cases, 222
Aring, C. D., Gelperin, J., and Bean, W. B., *see* Spies, T. D., 461
Army's, United States, war in air against mosquito-borne diseases, 153
Arteriovenous fistula and traumatic aneurysm, differential diagnosis of, 75
Artery occlusion, acute coronary, partial and complete heart block in, 513
single coronary, varieties of in man, occurring as isolated cardiac anomalies, 407
Ascorbic acid, lack of hemoregulatory effect of, on patients with polycythemia vera, 392

B

Bacteremic incidence, etiology and death rates, comparison of, in more frequent primary pneumonias of infants, children and adults, 709
Baker, T. W., and Willius, F. A., coronary thrombosis among women, 815
Banyai, A. L., radiologic measurements of apico-basal relaxation of lung during artificial pneumoperitoneum treatment, 207
Barbiturates, antidotal action of picrotoxin in acute intoxication by, 46
Barnard, R. D., and Dyniewicz, J. M., *see* Steigmann, F., 673
Bean, W. B., Aring, C. D., and Gelperin, J., *see* Spies, T. D., 461
Beerman, H., and Ingraham, N. R., Jr., *see* Stokes, J. H., 600
Bennett, A. E., convulsive (pentamethylenetetrazol) shock therapy in depressive psychoses; results in 10 cases, 420
Benzedrine, effect of, on ciliary movement, 44
sulphate in persistent hiccough; 2 cases, 715
Bernstein, A., false-positive Wassermann reaction in infectious mononucleosis, 79
Bianco, A., and Jolliffe, N., anemia of alcohol addicts; rôle of liver disease, achlorhydria, etc., on its production, 414
Biliary fistula and obstructive jaundice, prothrombin deficiency and bleeding tendency in, 50

INDEX.

A

Adrenal gland, regeneration of, following enucleation, 232
Agglutinins, blood serum, study of oral typhoid vaccination as measured by, 826
Alcohol addicts, anemia of; rôle of liver disease, achlorhydria, etc., on its production, 414
studies in, I and II, 475, 487
Allan, W. B., Mayer, S., Jr., and Williams, R., pneumococcus meningitis with recovery; 3 cases, 99
Amebic abscess and hepatitis of liver, late results in treatment of, 305
Amyloidosis, renal, kidney function and uremia in, 529
Andosca, J. B., contralateral spontaneous pneumothorax complicating artificial pneumothorax; 2 cases, 559
Anemia, acute hemolytic, 179
of alcohol addicts; rôle of liver disease, achlorhydria, etc., on its production, 414
pernicious, concentration of individual phosphatides and of cerebrosides in plasma and red blood cells in, before and during liver treatment, 648
(macrocytic), combined system disease without evidence of, 57
standards for maximum reticulocyte percentage after intramuscular liver therapy in, 718
Anemias, hemolytic, clinical and experimental, hemolysins as cause of; nature of spherocytosis and increased fragility, 769
Aneurysm, traumatic, and arteriovenous fistula, differential diagnosis of, 75
Aneurysms, intracranial, of internal carotid and circle of Willis, 299
Anginoid pain, relief of, following removal of intrathoracic non-toxic nodular goiter, 395
Anorexia nervosa and pituitary cachexia, 663
Anthracosilicosis, tuberculous, tuberculosis of intestines in, 83
Antidotal action of picrotoxin in acute intoxication by barbiturates, 46
Aortic stenosis, isolated calcified; particular reference to etiology and differential diagnosis, 400
Arbuse, D., and Madonick, M., uveoparotid fever (Heerfordt's syndrome) neurologic manifestations; 2 cases, 222
Aring, C. D., Gelperin, J., and Bean, W. B., *see* Spies, T. D., 461
Army's, United States, war in air against mosquito-borne diseases, 153
Arteriovenous fistula and traumatic aneurysm, differential diagnosis of, 75
Artery occlusion, acute coronary, partial and complete heart block in, 513
single coronary, varieties of in man, occurring as isolated cardiac anomalies, 407
Ascorbic acid, lack of hemoregulatory effect of, on patients with polycythemia vera, 392

B

Bacteremic incidence, etiology and death rates, comparison of, in more frequent primary pneumonias of infants, children and adults, 709
Baker, T. W., and Willius, F. A., coronary thrombosis among women, 815
Banyai, A. L., radiologic measurements of apico-basal relaxation of lung during artificial pneumoperitoneum treatment, 207
Barbiturates, antidotal action of picrotoxin in acute intoxication by, 46
Barnard, R. D., and Dyniewicz, J. M., *see* Steigmann, F., 673
Bean, W. B., Aring, C. D., and Gelperin, J., *see* Spies, T. D., 461
Beerman, H., and Ingraham, N. R., Jr., *see* Stokes, J. H., 600
Bennett, A. E., convulsive (pentamethylenetetrazol) shock therapy in depressive psychoses; results in 10 cases, 420
Benzedrine, effect of, on ciliary movement, 44
sulphate in persistent hiccough; 2 cases, 715
Bernstein, A., false-positive Wassermann reaction in infectious mononucleosis, 79
Bianco, A., and Jolliffe, N., anemia of alcohol addicts; rôle of liver disease, achlorhydria, etc., on its production, 414
Biliary fistula and obstructive jaundice, prothrombin deficiency and bleeding tendency in, 50

Biologic action, certain, and therapeutic effects of morphine and of related compounds, 743
Bladder, big (capacity 2 liters), diabetes insipidus with, 540
Blatt, E., Fouts, P. J., and Page, I. H., failure of electromagnetically induced heat to increase renal efficiency, 340
Bleeding tendency and prothrombin deficiency in obstructive jaundice and biliary fistula, 50
Block, F. B., irradiation in cervical cancer, 589
Blood flow, rhythmic changes in, through muscles, 888
regeneration in man, observations on. III, 632
serum agglutinins, study of oral typhoid vaccination as measured by, 826
osmotic pressure studies on, I and II, 887
spinal fluid and urine, lack of correlation of capillary fragility with vitamin C content of, 388
Boardman, W. W., acute infectious gastro-enteritis, 833
Boyd, E. M., effect of benzedrine on ciliary movement, 44
Bright's disease, glomerular dominance in, 761
Brinkhous, K. M., Smith, H. P., and Warner, E. D., prothrombin deficiency and bleeding tendency in obstructive jaundice and biliary fistula, 50
Bronk, D. W., Larrabee, M. G., and Gaylor, J. B., synaptic excitation of nerve cells, 151
Brown, P. W., and Hodgson, C. H., late results in treatment of amebic abscess and hepatitis of liver, 305
Bruckner, W. J., Wies, C. H., and Lavietes, P. H., anorexia nervosa and pituitary cachexia, 663
Brunner, E. K., and Grenley, P., *see* Hotchkiss, R. S., 362
Bryan, A. H., and Metzger, M. A., insensible loss of water in diabetes insipidus, 23
Bullowa, J. G. M., and Gleich, M., comparison of etiology, death rates and bacteremic incidence in more frequent primary pneumonias of infants, children and adults, 709
Burke, M., thrombosis—a medical problem, 796

C

Cachexia, pituitary, and anorexia nervosa, 663
Cancer, cervical, irradiation in, 589
Capillary fragility, lack of correlation of, with vitamin C content of blood, spinal fluid and urine, 388
Carbohydrate metabolism, problem in; chronic hypoglycemia, 688
Carcinoma, primary, of lung, 436
Cardiac anomalies, isolated, varieties of single coronary artery in man, occurring as, 407
origin, observations on referred pain of, 199
Castration cells and thyroidectomy cells of rat pituitary, differences between, in response to œstrone and thyroid extract, 150
Cell protein, plasma, protein and hemoglobin; protein production and exchange in body including, 609
Cerebrosides, and individual phosphatides, concentration of, in plasma and red blood cells in pernicious anemia before and during liver treatment, 648
Cervical cancer, irradiation in, 589
nerves, rôle of, in facial sensations, and sensitivity in major trigeminal neuralgia, 564
Charr, R., and Cohen, A. C., tuberculosis of intestines in tuberculous anthracosilicosis, 83
Chemotherapy of Types VII and III pneumococcal infections with sulphanilamide, 4, 4′-di-(acetylamino)-diphenylsulphone and 4, 4′-diaminobenzenesulphonanilide, 343
Chemotropism of leukocytes, effect of prontosil and related compounds on, 273
Cheney, G., and Garland, L. H., pulmonary pneumocyst; enormous solitary cyst in healthy adult female, 699
Childhood, meningitis in, 138
Christian, H. A., glomerular dominance in Bright's disease, 761
Cigarette smoking, I. Cause of fatigue; II. Effect on electrocardiogram with and without use of filters, 851
Ciliary movement, effect of benzedrine on, 44
Circle of Willis and internal carotid, intracranial aneurysms of, 299
Circulation in pregnancy, studies on, V, 819
Cohen, A. C., *see* Charr, R., 83
M. E., and Hamilton, B. E., *see* Thomson, K. J., 819
Coman, D. R., effect of prontosil and related compounds on chemotropism of leukocytes, 273
Combined system disease without evidence of pernicious (macrocytic) anemia, 57

Congenital absence of left lung, note on case of, 824
Cooper, F. B., Gross, P., and Lewis, M., chemotherapy of Types VII and III pneumococcal infections with sulphanilamide, 4, 4′-di-(acetylamino)-diphenylsulphone and 4, 4′-diaminobenzenesulphonanilide, 343
Corcoran, A. C., rapid desensitization in cases of hypersensitiveness to insulin, 359
Coronary artery in man, varieties of single, occurring as isolated cardiac anomalies, 407
occlusion, acute, partial and complete heart block, 513
thrombosis among women, 815
Crimm, P. D., and Short, D. M., study of oral typhoid vaccination as measured by blood serum agglutinins, 826
Curphey, T. J., and Solomon, S., studies on liver function in pneumococcus pneumonia, 348
Cystine metabolism, disturbed, rickets, kidney affections and stunted growth, syndrome consisting of, 542

D

Dack, S., and Jaffe, H. L., *see* Master, A. M., 513
Dameshek, W., and Schwartz, S. O., hemolysins as cause of clinical and experimental hemolytic anemias; nature of spherocytosis and increased fragility, 769
Death rates, etiology, and bacteremic incidence, comparison of, in more frequent primary pneumonias of infants, children and adults, 709
Desensitization, rapid, in case of hypersensitiveness to insulin, 359
Diabetes insipidus, insensible loss of water in, 23
with big bladder (capacity 2 liters), 540
mellitus, continued use of protamine zinc insulin in patients with, 28
size of red blood corpuscle in, 67
Diabetic coma requiring unprecedented amount of insulin; case report with extreme insulin resistance, 211
Di-(acetylamino)-diphenylsulphone, 4, 4′-diaminobenzenesulphonanilide and, sulphanilamide, chemotherapy of Types VII and III pneumococcal infections with, 343
Disease and the negro, 252
Diseases of lung, 753
Dorst, S., chronic hypoglycemia; problem in carbohydrate metabolism, 688
Duodenal ulcer, observations made on group of employees with, 654
Dyniewicz, J. M., and Barnard, R. D., *see* Steigmann, F., 673

E

Ear, nose and throat, recent advances in plastic and reconstructive surgery of, 875
Eberhard, H. M., and Schaffer, C. W., simple method for determination of mucin in gastric secretion, 148
Edeiken, J., and Rose, E., relief of anginoid pain following removal of intrathoracic non-toxic nodular goiter, 395
Effort syndrome, etiology of, 840
Ehrich, W. E., *see* Krumbhaar, E. B., 407
Eiman, J., *see* Grosscup, C. G., 887
Electroencephalography, 882
Ellis, A. G., *see* Jamuni, A., 824
Embolism, paradoxical, 201
Emotional factors, origin of, in normal pregnant women, 95
Enucleation, regeneration of adrenal gland following, 232
Enzer, N., *see* Fox, M. J., 321
Erythrocytic reticulum, nature and mechanism of staining of, 177
Etiology of effort syndrome, 840
toxemias of pregnancy, V, 188
Ewing, A. R., *see* Friedewald, W. F., 400

F

Facial sensations, rôle of cervical nerves in, and sensitivity in major trigeminal neuralgia, 564
Fein, H. D., and Lovelock, F. J., *see* Ralli, E. P., 28
Femur, fractures of neck of, 292
Fertile men, semen analyses of 200, 362
Fever, rheumatic, evolution of parenchymal lung lesions in, etc., 1
scarlet, changing conceptions of, 454
consideration of phenomenon of purpura following, 321
typhus, in Pennsylvania, 246
uveo-parotid (Heerfordt's syndrome) neurologic manifestations; 2 cases, 222
Fibrosis, post-rheumatic pulmonary, and mitral stenosis, rôle of, in rheumatic heart disease, 11
Fistula, arteriovenous, and traumatic aneurysm, differential diagnosis of, 75
biliary, and obstructive jaundice, prothrombin deficiency and bleeding tendency in, 50

Flippin, H. F., typhus fever in Pennsylvania, 246
and Pepper, D. S., use of 2 (p-aminobenzenesulphonamido) pyridine in treatment of pneumonia, 509
Fouts, P. J., and Page, I. H., *see* Blatt, E., 340
Fox, M. J., and Enzer, N., consideration of phenomenon of purpura following scarlet fever, 321
Fractures of neck of femur, 292
Freed, H., changes in glucose tolerance test during and after insulin shock therapy for schizophrenia, 36
Friedewald, W. F., and Ewing, A. R., isolated calcified aortic stenosis; particular reference to etiology and differential diagnosis, 400
Friedman, A., *see* Isaacs, R., 718

G

Garland, L. H., *see* Cheney, G., 699
Gastric acidity, effect of sodium chloride deficiency on, 88
juice, quantitative emission spectrum analysis of, and allied problems, 149
secretion, simple method for determination of mucin in, 148
Gastro-enteritis, acute infectious, 833
Gaylor, J. B., and Larrabee, M. G., *see* Bronk, D. W., 151
Gelperin, J., Aring, C. D., and Bean, W. B., *see* Spies, T. D., 461
Gleich, M., *see* Bullowa, J. G. M., 709
Glomerular dominance in Bright's disease, 761
Glucose tolerance test, changes in, during and after insulin shock therapy for schizophrenia, 36
Goiter, intrathoracic non-toxic nodular, relief of anginoid pain following removal of, 395
Goldman, D., use of mapharsen in treatment of malaria, 502
Gouley, B. A., evolution of parenchymal lung lesions in rheumatic fever, etc., 1
rôle of mitral stenosis and post-rheumatic pulmonary fibrosis, in rheumatic heart disease, 11
Gray, H., *see* Rixford, E., 540
Greenwald, H. M., acute hemolytic anemia, 179
Grenley, P., and Brunner, E. K., *see* Hotchkiss, R. S., 362
Griffith, J. Q., Jr., *see* Roberts, E., 151
Gross, P., and Lewis, M., *see* Cooper, F. B., 343
Grosscup, C. G., and Eiman, J., osmotic pressure studies on blood serum, II, 887
see Witting, E. G., 887
Guttman, M. R., recent advances in plastic and reconstructive surgery of ear, nose and throat, 875

H

Haden, R. L., red cell mass in polycythemia in relation to diagnosis and treatment, 493
Hamilton, B. E., and Cohen, M. E., *see* Thomson, K. J., 819
Harrison, T. R., and Williams, J. R., Jr., *see* Merrill, A., 18, 240
Heart block, partial and complete, in acute coronary artery occlusion, 513
disease, rheumatic, rôle of mitral stenosis and post-rheumatic pulmonary fibrosis in, 11
Heat, electromagnetically induced, failure of, to increase renal efficiency, 340
(Heerfordt's syndrome) uveo-parotid fever neurologic manifestations; 2 cases, 222
"Hematopoietic principle" in diseased human liver, 313
Hemoglobin, plasma protein and cell protein, protein production and exchange in body including, 609
Hemoglobinuria, paroxysmal; case report, 792
Hemolysins as cause of clinical and experimental hemolytic anemias; nature of spherocytosis and increased fragility, 769
Hemolytic anemia, acute, 179
anemias, clinical and experimental, hemolysins as cause of; nature of spherocytosis and increased fragility, 769
Hemoregulatory effect of ascorbic acid, lack of, on patients with polycythemia vera, 392
Hemorrhagic pancreatic, acute (hemorrhagic necrosis of pancreas), 167
Hepatitis of liver and amebic abscess, late results in treatment of, 305
Hiccough, persistent, benzedrine sulphate in; 2 cases, 715
Higgins, G. M., *see* Ingle, D. J., 232
Hirst, J. C., and Strousse, F., origin of emotional factors in normal pregnant women, 95
Hodgson, C. H., *see* Brown, P. W., 305
Hotchkiss, R. S., Brunner, E. K., and Grenley, P., semen analyses of 200 fertile men, 362
Howard, C. P., Mills, E. S., and Townsend, S. R., paroxysmal hemoglobinuria; case report, 792
Hyman, H. T., relationship of orthopedic surgery to internal medicine, 261

Hyperinsulinism and pregnancy; case report, 217
Hypersensitiveness to insulin, rapid desensitization in case of, 359
Hypertension, kaolin, further studies on mechanism of, 151
Hypoglycemia, chronic; problem in carbohydrate metabolism, 688

I

Industry, syphilis in; review of problems and policy, 600
Infectious gastro-enteritis, acute, 833
Ingham, D. W., paradoxical embolism, 201
Ingle, D. J., and Higgins, G. M., regeneration of adrenal gland following enucleation, 232
Ingraham, N. R., Jr., and Beerman, H., *see* Stokes, J. H., 600
Insensible loss of water in diabetes insipidus, 23
Insulin, diabetic coma requiring unprecedented amount of; case report with extreme insulin resistance, 211
protamine zinc, continued use of, in patients with diabetes mellitus, 28
rapid desensitization in case of hypersensitiveness to, 359
shock therapy for schizophrenia, changes in glucose tolerance test during and after, 36
Internal carotid and circle of Willis, intracranial aneurysms of, 299
medicine, relationship of orthopedic surgery to, 261
Intestines, tuberculosis of, in tuberculous anthracosilicosis, 83
Irradiation in cervical cancer, 589
Irving, L., rhythmic changes in blood flow through muscles, 888
Isaacs, R., and Friedman, A., standards for maximum reticulocyte percentage after intramuscular liver therapy in pernicious anemia, 718

J

Jaffe, H. L., and Dack, S., *see* Master, A. M., 513
Jamuni, A., and Ellis, A. G., note on case of congenital absence of left lung, 824
Jaundice, obstructive, and biliary fistula, prothrombin deficiency and bleeding tendency in, 50
phenolphthalein in, 673
Jennison, J., observations made on group of employees with duodenal ulcer, 654
Jetter, W. W., studies in alcohol, I and II, 475, 487
Johnston, C. G., fractures of neck of femur, 292
Jolliffe, N., *see* Bianco, A., 414

K

Kandel, E. V., and LeRoy, G. V., lack of hemoregulatory effect of ascorbic acid on patients with polycythemia vera, 392
Kaolin hypertension, further studies on mechanism of, 151
Katz, L. N., *see* Robertson, S., 199
Kidney affections, stunted growth, rickets and disturbed cystine metabolism syndrome consisting of, 542
function and uremia in renal amyloidosis, 529
Kidneys on renal circulation of rats and dogs, effects of pressor substance obtained from, 240
Kirk, E., concentration of individual phosphatides (lecithin, kephalin, ether-insoluble phosphatide) and of cerebrosides in plasma and red blood cells in pernicious anemia before and during liver treatment, 648
Kirschner, J. J., spontaneous pneumothorax, 704
Klotz, M. O., primary carcinoma of lung, 436
Krumbhaar, E. B., and Ehrich, W. E., varieties of single coronary artery in man, occurring as isolated cardiac anomalies, 407

L

Lagen, J. B., and Lockhart, J. C., *see* Soley, M. H., 88
Larrabee, M. G., and Gaylor, J. B., *see* Bronk, D. W., 151
Lavietes, P. H., and Wies, C. H., *see* Bruckner, W. J., 663
Leavell, B. S., chronic leukemia; incidence and factors influencing duration of life, 329
LeRoy, G. V., *see* Kandel, E. V., 392
Leukemia, chronic; incidence and factors influencing duration of life, 329
leukopenic, of myeloblastic type, 621
Leukocytes, chemotropism of, effect of prontosil and related compounds on, 273
Leukopenic leukemia of myeloblastic type, 621
LeWinn, E. B., hyperinsulinism and pregnancy; case report, 217
Lewis, M., and Gross, P., *see* Cooper, F. B., 343

Lewy, F. H., rôle of cervical nerves in facial sensations and sensitivity in major trigeminal neuralgia, 564
Liebmann, J., and Wortis, S. B., *see* Wortis, H., 384
Wortis, H., and Wortis, E., lack of correlation of capillary fragility with vitamin C content of blood, spinal fluid and urine, 388
Lignac, G. O. E., syndrome consisting of affections of kidney, stunted growth, rickets and disturbed cystine metabolism, 542
Liver, diseased human, "hæmatopoietic principle" in, 313
function in pneumococcus pneumonia, studies on, 348
hepatitis of, and amebic abscess, late results in treatment of, 305
therapy, intramuscular, in pernicious anemia, standards for maximum reticulocyte percentage after, 718
treatment, concentration of individual phosphatides and of cerebrosides in plasma and red blood cells in pernicious anemia before and during, 648
Lockhart, J. C., and Lagen, J. B., *see* Soley, M. H., 88
Lorand tocograph, measurements of uterine contractions in late pregnancy with, 889
Lovelock, F. J., and Fein, H. D., *see* Ralli, E. P., 28
Lucian, A. N., quantitative emission spectrum analysis of gastric juice and allied problems, 149
Lung, diseases of, 753
left, note on case of congenital absence of, 824
lesions, parenchymal, evolution of, in rheumatic fever, etc., 1
primary carcinoma of, 436
radiologic measurements of, apicobasal relaxation of, during artificial pneumoperitoneum treatment, 207

M

Madonick, M., *see* Arbuse, D., 222
Malaria, use of mapharsen in treatment of, 502
Man, observations on blood regeneration in, III, 632
Mapharsen, use of, in treatment of malaria, 502
Mark, M. F., and Mosenthal, H. O., kidney function and uremia in renal amyloidosis, 529
Master, A. M., Dack, S., and Jaffe, H. L., partial and complete heart block in acute coronary artery occlusion, 513
Matz, P. B., study of silicosis, 548
Maxey, K. F., changing conceptions of scarlet fever, 454
Mayer, S., Jr., and Williams, R., *see* Allan, W. B., 99
Mechanism of kaolin hypertension, further studies on, 151
Meningitis in childhood, 138
pneumococcus, with recovery; 3 cases, 99
Mental symptoms of pellagra; their relief with nicotinic acid, 461
Merrill, A., Williams, J. R., Jr., and Harrison, T. R., site of action of renal pressor substance, 18
Merrill, A., Williams, R. H., and Harrison, T. R., effects of pressor substance obtained from kidneys on renal circulation of rats and dogs, 240
Merritt, H. H., *see* Suh, T. H., 57
Metabolism, carbohydrate, problem in; chronic hypoglycemia, 688
Metzger, M. A., *see* Bryan, A. H., 23
Miller, F. R., and Seymour, W. B., leukopenic leukemia of myeloblastic type, 621
Mills, E. S., and Townsend, S. R., *see* Howard, C. P., 792
Mitral stenosis and post-rheumatic pulmonary fibrosis, rôle of, in rheumatic heart disease, 11
Mohr, C. F., size of red blood corpuscle in diabetes mellitus, 67
Mononucleosis, infectious, false-positive Wassermann reactions in, 79
Morphine, certain biologic action and therapeutic effects of, and of related compounds, 743
Mosenthal, H. O., *see* Mark, M. F., 529
Mosquito-borne diseases, United States army's war in air against, 153
Mucin in gastric secretion, simple method for determination of, 148
Murphy, D. P., measurements of uterine contractions in late pregnancy with Lorand tocograph, 889
Muscles, rhythmic changes in blood flow through, 888
Myeloblastic type, leukopenic leukemia of, 621

N

Neck of femur, fractures of, 292
Negro, disease and the, 252
Nerve cells, synaptic excitation of, 151
Neuralgia, major trigeminal, rôle of cervical nerves in facial sensations and sensitivity in, 564
Newman, H. W., electroencephalography, 882

Nicotinic acid, the relief of mental symptoms of pellagra with, 461
Nittis, S., nature and mechanism of staining of erythrocytic reticulum, 177

O

Oestrone and thyroid extract, differences between castration cells and thyroidectomy cells of rat pituitary, in response to, 150
Orthopedic surgery, relationship of, to internal medicine, 261
Osmotic pressure studies on blood serum, I and II, 887

P

Page, I. H., and Fouts, P. J., *see* Blatt, E., 340
Pain, referred, observations on, of cardiac origin, 199
2 (P-aminobenzenesulphonamido) pyridine, use of, in treatment of pneumonia; preliminary report, 509
Pancreatitis, acute hemorrhagic (hemorrhagic necrosis of pancreas), 167
Paradoxical embolism, 201
Paroxysmal hemoglobinuria; case report, 792
Pathologic considerations of thoracic duct, 572
Pellagra, 122
  mental symptoms of; their relief with nicotinic acid, 461
Pennsylvania, typhus fever in, 246
Pepper, D. S., *see* Flippin, H. F., 509
Peritoneal lavage in treatment of renal insufficiency, 642
Pernicious anemia, concentration of individual phosphatides and of cerebrosides in plasma and red blood cells in, before and during liver treatment, 648
  standards for maximum retoculocyte percentage after intramuscular liver therapy in, 718
  (macrocytic) anemia, combined system disease without evidence of, 57
Phenolphthalein studies: phenolphthalein in jaundice, 673
Phosphatides, individual, and cerebrosides, concentration of, in plasma and red blood cells in pernicious anemia before and during liver treatment, 648
Picrotoxin, antidotal action of, in acute intoxication by barbiturates, 46
Pituitary cachexia and anorexia nervosa, 663
Plasma protein, hemoglobin and cell protein, protein production and exchange in body including, 609
Plastic and reconstructive surgery of ear, nose and throat, recent advances in, 875
Pneumococcal infections, Types VII and III, chemotherapy of, with sulphanilamide, 4, 4′-di-(acetylamino)-diphenylsulphone and 4, 4′-diaminobenzenesulphonanilide, 343
Pneumococcus meningitis with recovery; 3 cases, 99
  pneumonia, studies on liver function in, 348
Pneumocyst, pulmonary; enormous solitary cyst in healthy adult female, 699
Pneumonia, pneumococcus, studies on liver function in, 348
  use of 2 (p-aminobenzenesulphonamido) pyridine, in treatment of; preliminary report, 509
Pneumonias, more frequent primary, of infants, children and adults, comparison of etiology, death rates and bacteremic incidence in, 709
Pneumoperitoneum treatment, artificial, radiologic measurements of apico-basal relaxation of lung during, 207
Pneumothorax, contralateral spontaneous, complicating artificial pneumothorax; 2 cases, 559
  spontaneous, 704
Polycythemia, red cell mass in, in relation to diagnosis and treatment, 493
  vera, lack of hemoregulatory effect of ascorbic acid on patients with, 392
Pool, R. M., *see* Walsh, G., 252
Porter, W. B., differential diagnosis of traumatic aneurysm and arteriovenous fistula, 75
Pregnancy and hyperinsulinism; case report, 217
  etiology of toxemias, of, V, 188
  late, measurements of uterine contractions in, with Lorand tocograph, 889
  studies on circulation in, V, 819
  women, normal, origin of emotional factors in, 95
Pressor substance, effects of, obtained from kidneys on renal circulation of rats and dogs, 240
  renal, site of action of, 18
Prontosil, effect of, and related compounds, on chemotropism of leukocytes, 273
Protamine zinc insulin, continued use of, in patients with diabetes mellitus, 28
Protein production and exchange in body including hemoglobin, plasma protein and cell protein, 609
Prothrombin deficiency and bleeding tendency in obstructive jaundice and biliary fistula, 50

Psychoses, depressive, convulsive (pentamethylenetetrazol) shock therapy in; results in 10 cases, 420
Pulmonary fibrosis, post-rheumatic, and mitral stenosis, rôle of, in rheumatic heart disease, 11
pneumocyst; enormous solitary cyst in healthy adult female, 699
Purpura, consideration of phenomenon of, following scarlet fever, 321

R

Radiologic measurements of apicobasal relaxation of lung during artificial pneumoperitoneum treatment, 207
Ralli, E. P., Fein, H. D., and Lovelock, F. J., continued use of protamine zinc insulin in patients with diabetes mellitus, 28
Rat pituitary, differences between castration cells and thyroidectomy cells of, in response to oestrone and thyroid extract, 150
Red blood corpuscle, size of, in diabetes mellitus, 67
cell mass in polycythemia in relation to diagnosis and treatment, 493
Regeneration of adrenal gland following enucleation, 232
Renal amyloidosis, kidney function and uremia in, 529
circulation of rats and dogs, effects of pressor substance obtained from kidneys on, 240
efficiency, failure of electromagnetically induced heat to increase, 340
insufficiency, peritoneal lavage in treatment of, 642
pressor substance, site of action of, 18
Reticulocyte percentage, maximum, standards for, after intramuscular liver therapy in pernicious anemia, 718
Reticulum, erythrocytic, nature and mechanism of staining of, 177
Reviews:
Adam and Auler, Neuere Ergebnisse auf dem Gebiete der Krebskrankheiten, 111
Atkinson, External Diseases of the Eye, 116
Bailey, Emergency Surgery, 730
Barcroft, The Brain and Its Environment, 119
Bell, A Text-book of Pathology, 430
Berberich and Spiro, Therapie der Tuberkulose, 583
Berkeley, White and Cook, Diseases of Women, 864
Bertwistle, The Rôle of Chemotaxis in Bone Growth, 115
Bluemel, The Troubled Mind, 862
Reviews:
Boyd, A Text-book of Pathology, 738
Surgical Pathology, 867
Brenner, Pediatric Surgery, 429
Buchanan, The Doctrine of Signatures, 739
Bullock, The History of Bacteriology, 868
Cabot, Christianity and Sex, 432
Carrel and Lindbergh, The Culture of Organs, 732
Chiavacci, Die Störungen der Sexualfunktion bei Mann und Weib, 430
Clark, Applied Pharmacology, 111
Cowan, Refraction of the Eye, 867
Coward, The Biological Standardization of the Vitamins, 734
Cowdry, A Textbook of Histology, 866
Davis, Play and Mental Health, 722
Dearborn, Rothney and Shuttleworth, Data on the Growth of Public School Children, 739
de Barenne, *et al.*, Journal of Neurophysiology, Vol. 1, No. 1, Jan., 1938, 281
deKruif, The Fight for Life, 735
Dill, Life, Heat and Altitude, 868
Doe, A Bibliography of the Works of Ambroise Paré, 722
Dorfman, Pharmaceutical Latin, 729
Downey, Handbook of Hematology, 732
v. Eulenburg-Wierner, Fearfully and Wonderfully Made, 112
Fisher, Ingram, and Ransom, Diabetes Insipidus and the Neuro-Hormonal Control of Water Balance, 729
Forkner, Leukemia and Allied Disorders, 722
Frolov, Pavlov and His School, 429
Fulöp-Miller, Triumph Over Pain, 869
Geckeler, Fractures and Dislocations for Practitioners, 115
Glaister, Medical Jurisprudence and Toxicology, 864
Grant, A Method of Anatomy, 278
Greulich, Day, Lachman, Wolfe, and Shuttleworth, A Handbook of Methods for the Study of Adolescent Children, 739
Hadfield and Garrod, Recent Advances in Pathology, 862
Hardy, Synopsis of the Diagnosis of the Acute Surgical Diseases of the Abdomen, 736
Harrington, A Biological Approach to the Problem of Abnormal Behavior, 725
Harvey Lectures, Series XXXIII, 866
v. Helmholtz, On Thought in Medicine (Das Denken in der Medizin), 286
Holmes, The Negro's Struggle for Survival, 113
Horrall, Bile. Its Toxicity and Relation to Disease, 432
Hotep, Love and Happiness, 117
Hurd-Mead, A History of Women in Medicine, 737

Reviews:
Jackson, Chevalier, The Life of, 724
Jacobson, Progressive Relaxation, 732
Jaquerod, Le Traitement de la Tuberculose Pulmonaire par la Tuberculine, 279
Jensen, The Heart in Pregnancy, 731
Jones, Digestive Tract Pain, 114, 287
Kagan, Life and Letters of Fielding H. Garrison, 868
Kantor, Synopsis of Digestive Diseases, 116
Kapferer and Stider, Die Werke des Hippokrates, Teile 13, 15 and 18, 723
Kilduffe, Clinical Urinalysis and Its Interpretation, 110
Kovács, Electrotherapy and Light Therapy, 872
Kracke, A Textbook of Clinical Pathology, 432
Kronfeld, Introduction to Ophthalmology, 119
Lake, The Foot, 871
Lilly, The Anemias, 429
Long and Goldberg, Handbook on Social Hygiene, 581
Lord and Heffron, Pneumonia and Serum Therapy, 286
Ludovici, The Truth about Childbirth, 430
McClure, Functional Activities of Pancreas and Liver, 720
McMurray, A Practice of Orthopedic Surgery, 117
McPheeters and Anderson, Injection Treatment of Varicose Veins and Hemorrhoids, 869
MacKee and Cipollaro, Cutaneous Cancer and Pre-cancer, 582
Mackie and McCartney, Handbook of Practical Bacteriology, 866
Madsen, Lectures on Epidemiology and Control of Syphilis, Tuberculosis, and Whooping Cough, and Other Aspects of Infectious Diseases, 721
Magner, A Textbook of Hematology, 118
Mainland, The Treatment of Clinical and Laboratory Data, 285
Mallory, Pathological Technique, 871
Mellon, Gross and Cooper, Sulfanilamide Therapy of Bacterial Infections, 870
Monsarrat, Human Powers and Their Relations, 864
Myers, Tuberculosis among Children and Young Adults, 727
Nelson and Crain, Syphilis, Gonorrhea and the Public Health, 584
Neymann, Artificial Fever, 279
Oertel, The Special Pathological Anatomy and Pathogenesis, 728
Olmsted, Claude Bernard, Physiologist, 281
Packard, Some Account of the Pennsylvania Hospital, 288
Parker, Methods of Tissue Culture, 582
Pearce, A General Textbook of Nursing 863

Reviews:
Petersen, The Patient and the Weather, Vol. IV, Part 3, 283
Piersol, The New International Clinics, Vol. 1, 285; Vol. 2, 728
Pohle, Clinical Roentgen Therapy, 726
Theoretical Principles of Roentgen Therapy, 283
Porter and Carter, Management of the Sick Infant and Child, 737
Pratt, Contributions to Medical Research, 118
Pruitt, Hemorrhoids, 431
Ruhmann, Das Rheumabuch des Doctor Ballonius, 282
Sakel, The Pharmacological Shock Treatment of Schizophrenia, 735
Sandström, On a New Gland in Man and Several Mammals (Glandulæ Parathyreoideæ), 286
Sauerbruch and O'Shaughnessy, Thoracic Surgery, 583
Schlanser, Practical Otology, Rhinology and Laryngology, 734
Schmidt and Peter, Advances in the Therapeutics of Antimony, 731
Spemann, Embryonic Development and Induction, 738
Shuttleworth, The Adolescent Period, 739
Simons, Primary Carcinoma of the Lung, 116
Sobotka, The Chemistry of the Sterids, 867
Starkenstein, Lehrbuch der Pharmakologie, Toxikologie and Arzneiverordnung, 872
Steel, Biological and Clinical Chemistry, 280
Stiasny and Generales, Erbkrankheit und Fertilität, 112
Stitt, Clough and Clough, Practical Bacteriology, Hæmatology, and Parasitology, 282
Sturgis and Isaacs, Diseases of the Blood, 720
Thorndike, Athletic Injuries, 286
Timme, Frantz and Hare, The Pituitary Gland, 740
Urban, Die Chirurgie des Kropfes, 730
v. Wagner-Jauregg, Baron Constantin von Economo, 721
Walker, The Construction of Vulcanite Applicators for Applying Radium to Lesions of the Buccal Cavity, Lips, Orbit and Antrum, 740
Warren, The Pathology of Diabetes Mellitus, 863
Watson, Hernia, 287
Weiss and Isaacs, Manual of Clinical and Laboratory Technic, 278
White, Heart Disease in General Practice, 280
The Biology of Pneumococcus, 114
Wilton, Tissue Reactions in Bone and Dentine, 110
Wingfield, Pulmonary Tuberculosis in Practice, 119
Winternitz, Thomas and LeCompte, The Biology of Arteriosclerosis, 284

Reviews:
Wood, Memorandum Book of a Tenth-Century Oculist, 726
Young, Genital Abnormalities, Hermaphroditism, and Related Adrenal Diseases, 113
Rheumatic fever, evolution of parenchymal lung lesions in, etc., 1
heart disease, rôle of mitral stenosis and post-rheumatic pulmonary fibrosis in, 11
Rhoads, J. E., peritoneal lavage in treatment of renal insufficiency, 642
Rhythmic changes in blood flow through muscles, 888
Rich, M. L., and Simon, S. D., *see* Schiff, L., 313
Rickets, disturbed cystine metabolism, stunted growth and kidney affections, syndrome consisting of, 542
Rixford, E., and Gray, H., diabetes insipidus with big bladder (capacity 2 liters), 540
Roberts, E., and Griffith, J. Q., Jr., further studies on mechanism of kaolin hypertension, 151
Robertson, S., and Katz, L. N., observations on referred pain of cardiac origin, 199
Rose, E., *see* Edeiken, J., 395
Rovenstine, E. A., antidotal action of picrotoxin in acute intoxication of barbiturates, 46

S

Scarlet fever, changing conceptions of, 454
consideration of phenomenon of purpura following, 321
Schaffer, C. W., *see* Eberhard, H. M., 148
Schiff, L., Rich, M. L., and Simon, S. D., "hæmatopoietic principle" in diseased human liver, 313
Schiødt, E., observations on blood regeneration in man, III, 632
Schizophrenia, changes in glucose tolerance test during and after insulin shock therapy for, 36
Schwartz, S. O., and Dameshek, W., 769
Segal, H. L., cigarette smoking, I. Cause of fatigue; II. Effect on electrocardiogram with and without use of filters, 851
Semen, analyses of 200 fertile men, 362
Seymour, W. B., *see* Miller, F. R., 621
Shaine, M. S., benzedrine sulphate in persistent hiccough; 2 cases, 715
Shock, N. W., *see* Soley, M. H., 840
therapy, convulsive (pentamethylenetetrazol) in depressive psychoses; results in 10 cases, 420
Short, D. M., *see* Crimm, P. D., 826
Siegel, A. E., meningitis in childhood, 138
Silicosis, study of, 548
Simmons, J. S., United States army's war in air against mosquito-borne diseases, 153
Simon, S. D., and Rich, M. L., *see* Schiff, L., 313
Smith, H. P., and Warner, E. D., *see* Brinkhous, K. M., 50
Smoking, cigarette, I. Cause of fatigue; II. Effect on electrocardiogram with and without use of filters, 851
Sodeman, W. A., pellagra, 122
Sodium chloride deficiency, effect of on gastric acidity, 88
Soley, M. H., and Shock, N. W., etiology of effort syndrome, 840
Lagen, J. B., and Lockhart, J. C., effect of sodium chloride deficiency on gastric acidity, 88
Solomon, S., *see* Curphey, T. J., 348
Spectrum analysis, quantitative emission, of gastric juice and allied problems, 149
Spies, T. D., Aring, C. D., Gelperin, J., and Bean, W. B., mental symptoms of pellagra; their relief with nicotinic acid, 461
Spinal fluid, blood and urine, lack of correlation of capillary fragility with vitamin C content of, 388
vitamin C in, 384
Staining of erythrocytic reticulum, nature and mechanism of, 177
Steigmann, F., Barnard, R. D., and Dyniewicz, J. M., phenolphthalein studies: phenolphthalein in jaundice, 673
Stenosis, isolated calcified aortic; particular reference to etiology and differential diagnosis, 400
Stokes, J. H., Beerman, H., and Ingraham, N. R., Jr., syphilis in industry; review of problems and policy, 600
Strauss, M. B., etiology of toxemias of pregnancy, V, 188
Strousse, F., *see* Hirst, J. C., 95
Suh, T. H., and Merritt, H. H., combined system disease without evidence of pernicious (macrocytic) anemia, 57
Sulphanilamide derivative, 2 (p-aminobenzenesulphonamido) pyridine, use of, in treatment of pneumonia; preliminary report, 509
4, 4′-di-(acetylamino)-diphenylsulphone and 4, 4′-diaminobenzenesulphonanilide, chemotherapy of Types VII and III pneumococcal infections with, 343
Surgery, plastic and reconstructive, of ear, nose and throat, recent advances in, 875
Sutherland, C. G., diseases of lung, 753

Synaptic excitation of nerve cells, 151
Syndrome consisting of affections of kidney, stunted growth, rickets and disturbed cystine metabolism, 542
Syphilis in industry; review of problems and policy, 600
System disease, combined, without evidence of pernicious (macrocytic) anemia, 57

T

Tennant, R., *see* Weiner, H. A., 167
Thomson, K. J., Cohen, M. E., and Hamilton, B. E., studies on circulation in pregnancy, V, 819
Thoracic duct, pathologic considerations of, 572
Thrombosis—a medical problem, 796
coronary, among women, 815
Tocograph, Lorand, measurements of uterine contractions in late pregnancy with, 889
Townsend, S. R., and Mills, E. S., *see* Howard, C. P., 792
Thyroidectomy cells and castration cells of rat pituitary, differences between, in response to œstrone and thyroid extract, 150
Toxemias of pregnancy, etiology of, V, 188
Traumatic aneurysm, and arteriovenous fistula, differential diagnosis of, 75
Tuberculosis of intestines in tuberculous anthracosilicosis, 83
Typhoid vaccination, oral, study of, as measured by blood serum agglutinins, 826
Typhus fever in Pennsylvania, 246

U

Ulcer, duodenal, observations made on group of employees with, 654
United States army's war in air against mosquito-borne diseases, 153
Uremia and kidney function in renal amyloidosis, 529
Urine, spinal fluid and blood, lack of correlation of capillary fragility with vitamin C content of, 388
Uterine contractions in late pregnancy, measurements of, with Lorand tocograph, 889
Uveo-parotid fever (Heerfordt's syndrome) neurologic manifestations; 2 cases, 222

V

Vaccination, oral typhoid, study of, as measured by blood serum agglutinins, 826
Vitamin C content of blood, spinal fluid and urine, lack of correlation of capillary fragility with, 388
in spinal fluid, 384

W

Wagener, H. P., intracranial aneurysms of internal carotid and circle of Willis, 299
Walsh, G., and Pool, R. M., disease and the negro, 252
War in air, United States army's, against mosquito-borne diseases, 153
Warner, E. D., and Smith, H. P., *see* Brinkhous, K. M., 50
Washburn, R. N., pathologic considerations of thoracic duct, 572
Wassermann reactions, false-positive, in infectious mononucleosis, 79
Water, insensible loss of, in diabetes insipidus, 23
Weiner, H. A., and Tennant, R., acute hemorrhagic pancreatitis (hemorrhagic necrosis of pancreas), 167
Weiss, S., certain biologic action and therapeutic effects of morphine and of related compounds, 743
Whipple, G. H., protein production and exchange in body including hemoglobin, plasma protein and cell protein, 609
Wiener, H. J., diabetic coma requiring unprecedented amount of insulin; case report with extreme insulin resistance, 211
Wies, C. H., and Lavietes, P. H., *see* Bruckner, W. J., 663
Williams, J. R., Jr., and Harrison, T. R., *see* Merrill, A., 18
R., and Mayer, S., Jr., *see* Allan, W. B., 99
R. H., and Harrison, T. R., *see* Merrill, A., 240
Willius, F. A., *see* Baker, T. W., 815
Witting, E. G., and Grosscup, C. G., osmotic pressure studies on blood serum, I, 887
Women, coronary thrombosis among, 815
Wortis, E., and Wortis, H., *see* Liebmann, J., 388
H., and Wortis, E., *see* Liebmann, J., 388
Liebmann, J., and Wortis, S. B., vitamin C in spinal fluid, 384
S. B., and Liebman, J., *see* Wortis, H., 384

Z

Zeckwer, I. T., differences between castration cells and thyroidectomy cells of rat pituitary in response to œstrone and thyroid extract, 150